

Play: 6550 *Black Warrior Basin Recharge*

Province: 65 Black Warrior Basin

Geologist: Rice, D.D./Finn, T.M.

Play Type coalbed gas

Status: confirmed

Play Probability: 1.00

Cells: **Cell Size:** 80 acres 0.125 sq mi

Area of Play: 215 sq mi 1,720 cells

Productive Cells: 606 **Tested Nonproductive Cells:** 0

Untested Cells: minimum median maximum mean distribution
700 900 1,300 929 bell-shaped

Success Ratio for Untested Cell 0.80

EUR Distribution for Untested Cells (MMCFG):

<u>F100</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F0</u>	<u>mean</u>
50	80	180	315	450	675	1,000	341

<u>Depth (ft):</u>	<u>minimum</u>	<u>median</u>	<u>maximum</u>	<u>mean</u>
	500	1,000	2,800	1,205

Analog play:

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Net Thickness of Potentially Productive Coal (ft): mean maximum

26 32

Mean Number of Potentially Productive Coal Seams: 31

Mean Thickness of Potentially Productive Coal-Bearing Interv 1,700 ft

Total Dissolved Solid 3,000 ppm

Water Disposal: surface discharge

Gas Quality:	<u>C1%</u>	<u>C2+%</u>	<u>CO2%</u>	<u>N2%</u>	<u>Btu</u>
	95.0	1.0	0.4	3.6	980

Is there active underground coal mining? yes

Mined-Out Areas: 31 sq mi 14.0 %

Is compression needed for transmission? yes

Are coalbed gas wells generally stimulated in this playes

Potential Gas Reserve Additions (BCFG):

<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>mean</u>	<u>s.d.</u>
199.02	228.18	250.93	275.95	316.39	253.44	35.89